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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/809,114	03/25/2004	Gundrala D. Goud	INT.P015	6634

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EXAMINER	
SURYAWANSHI, SURESH	
ART UNIT	**PAPER NUMBER**
2115	

DATE MAILED: 08/18/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/809,114	GOUD ET AL.	
	Examiner	Art Unit	
	Suresh K. Suryawanshi	2115	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *25 March 2004*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-24* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-24* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on *25 March 2004* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

DETAILED ACTION

1. Claims 1-24 are presented for examination.

Claim Objections

2. Claim 7 is objected to because of the following informalities: "a Intelligent" should have been "an Intelligent" at line 1. Appropriate correction is required.

3. Claim 23 is objected to because of the following informalities: "Smart" should have been "System" at line 2. Appropriate correction is required.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

5. Claims 1-4, 6, 10-24 are rejected under 35 U.S.C. 102(e) as being anticipated by Bolian et al (US Patent 6,968,466; hereinafter Bolian).

6. As per claim 1, Bolian discloses a method for communicating information from an operating system based blade server system environment, comprising:

transmitting the information to a service processor [Fig. 2; col. 1, lines 38-57; col. 3, lines 18-34, 55-57; col. 4, lines 37-51; as shown in fig. 2, a server blade 1 comprises of a service processor (CPU 212); each server blade runs its own instance of operating system; the operating system on the server blade transmits the information of power on/off to the service processor]; and

transmitting the information from the service processor to a chassis management module via a dedicated channel [Fig. 2 and 3; col. 1, lines 38-57; col. 3, lines 18-34, 55-57; col. 4, lines 37-51; as shown in fig. 2 and 3, a server blade 1 comprising of a service processor (CPU 212) and a server management controller/blade 250 communicate with each other via a dedicated management bus 242; the server blade 1 can transmit the information from the service processor to the server management controller/blade via the dedicated management bus 242].

7. As per claim 11, Bolian discloses a method for managing information from an operating system based environment, comprising:

determining whether the information is to be communicated to a chassis management module [Fig. 2; col. 1, lines 38-57; col. 3, lines.18-34, 55-57; col. 4, lines 37-51; a server blade runs its own instance of operating system and the operating system determines whether the information is to be communicated to a management controller/blade via a dedicated management bus]; and

transmitting the information to a service processor upon determining that the information is to be communicated with the chassis management module [Fig. 2 and 3; col. 1, lines 38-57; col. 3, lines 18-34, 55-57; col. 4, lines 37-51; as shown in fig. 2 and 3, a server blade 1 comprising of a service processor (CPU 212) and a server management controller/blade 250 communicate with each other via a dedicated management bus 242; the server blade 1 can transmit the information from the service processor to the server management controller/blade via the dedicated management bus 242].

8. As per claim 16, Bolian discloses an article of manufacture comprising a machine accessible medium including sequences of instructions, the sequences of instructions including instructions which when executed causes the machine to perform:

determining whether information is to be communicated to a chassis management module [Fig. 2; col. 1, lines 38-57; col. 3, lines 18-34, 55-57; col. 4, lines 37-51; a server blade runs its own instance of operating system and the operating system determines whether the information is to be communicated to a management controller/blade via a dedicated management bus]; and

transmitting the information to a service processor upon determining that the information is to be communicated with the chassis management module [Fig. 2 and 3; col. 1, lines 38-57; col. 3, lines 18-34, 55-57; col. 4, lines 37-51; as shown in fig. 2 and 3, a server blade 1 comprising of a service processor (CPU 212) and a server management controller/blade 250 communicate with each other via a dedicated management bus 242; the server blade 1 can transmit the information from the service processor to the server management controller/blade via the dedicated management bus 242].

9. As per claim 21, Bolian discloses an apparatus, comprising:

an information identification unit to identify information originating from an operating system directed to a chassis management module [Fig. 2; col. 1, lines 38-57; col. 3, lines 18-34, 55-57; col. 4, lines 37-51; a CPU of a server blade can identify information originating from an operating system running on the server blade that the information is directed to the management controller/blade]; and

an embedded controller interface to transmit the information to a service processor [Fig. 2; col. 1, lines 38-57; col. 3, lines 18-34, 55-57; col. 4, lines 37-51; the power management of the server blade is compliant with ACPI specification and ACPI aware operating system running on the server blade transmits the information to the service processor (CPU) of the server blade].

10. As per claim 2, Bolian discloses transmitting the information to the service processor comprises transmitting the information to an embedded controller on the service processor [Fig. 2; col. 1, lines 38-57; col. 3, lines 18-34, 55-57; col. 4, lines 37-51; here ACPI being the embedded controller].

11. As per claim 3, Bolian discloses the embedded controller is Advance Configuration Power Interface (ACPI) based [Fig. 2; col. 1, lines 38-57; col. 3, lines 18-34, 55-57; col. 4, lines 37-51; here ACPI being the embedded controller].

12. As per claim 4, Bolian discloses transmitting the information to the service processor comprises transmitting the information using a System Management Bus (SMBus) protocol [Fig. 2 and 3; col. 1, lines 38-57; col. 3, lines 18-34, 55-57; col. 4, lines 37-51; as shown in fig. 2 and 3, a server blade 1 comprising of a service processor (CPU 212) and a server management controller/blade 250 communicate with each other via a dedicated management bus 242].

13. As per claim 6, Bolian discloses comprising packaging the information in a format recognizable to the management agent [Fig. 2 and 3; col. 1, lines 38-57; col. 3, lines 18-34, 55-57; inherent to the system as the server blade and the management controller/blade communicate with each other].

14. As per claim 10, Bolian discloses that the information is an Advance Configuration Power Interface (ACPI) sleep state [Fig. 2; col. 1, lines 38-57; col. 3, lines 18-34, 55-57; col. 4, lines 37-51; the power management system of the server blade is compliant with ACPI specification].

15. As per claim 12, Bolian discloses transmitting the information to the service processor comprises transmitting the information to an embedded controller on the service processor [Fig. 2; col. 1, lines 38-57; col. 3, lines 18-34, 55-57; col. 4, lines 37-51; here ACPI being the embedded controller].

16. As per claim 13, Bolian discloses that the embedded controller is Advance Configuration Power Interface (ACPI) based [Fig. 2; col. 1, lines 38-57; col. 3, lines 18-34, 55-57; col. 4, lines 37-51; here ACPI being the embedded controller].

17. As per claim 14, Bolian discloses transmitting the information to the service processor comprises transmitting the information using a System Management Bus (SMBus) protocol [Fig. 2 and 3; col. 1, lines 38-57; col. 3, lines 18-34, 55-57; col. 4, lines 37-51; as shown in fig. 2 and 3, a server blade 1 comprising of a service processor (CPU 212) and a server management controller/blade 250 communicate with each other via a dedicated management bus 242].

18. As per claim 15, Bolian discloses determining whether the information is to be communicated to the chassis management module comprises determining whether the information is a Advance Configuration Power Interface (ACPI) sleep state [Fig. 2; col. 1, lines 38-57; col. 3, lines 18-34, 55-57; col. 4, lines 37-51; the power management system of the server blade is compliant with ACPI specification].

19. As per claim 17, Bolian discloses transmitting the information to the service processor comprises transmitting the information to an embedded controller on the service processor [Fig. 2; col. 1, lines 38-57; col. 3, lines 18-34, 55-57; col. 4, lines 37-51; here ACPI being the embedded controller].

20. As per claim 18, Bolian discloses that the embedded controller is Advance Configuration Power Interface (ACPI) based [Fig. 2; col. 1, lines 38-57; col. 3, lines 18-34, 55-57; col. 4, lines 37-51; here ACPI being the embedded controller].

21. As per claim 19, Bolian discloses transmitting the information to the service processor comprises transmitting the information using a System Management Bus (SMBus) protocol [Fig. 2 and 3; col. 1, lines 38-57; col. 3, lines 18-34, 55-57; col. 4, lines 37-51; as shown in fig. 2 and 3, a server blade 1 comprising of a service processor (CPU 212) and a server management controller/blade 250 communicate with each other via a dedicated management bus 242].

22. As per claim 20, Bolian discloses determining whether the information is to be communicated to the chassis management module comprises determining whether the information is a Advance Configuration Power Interface (ACPI) sleep state [Fig. 2; col. 1, lines 38-57; col. 3, lines 18-34, 55-57; col. 4, lines 37-51; the power management system of the server blade is compliant with ACPI specification].

23. As per claim 22, Bolian discloses that the information identification unit identifies Advanced Configuration and Power Interface (ACPI) sleep states [Fig. 2; col. 1, lines 38-57; col. 3, lines 18-34, 55-57; col. 4, lines 37-51; a CPU of a server blade can identify information originating from an operating system running on the server blade that the information is directed to the management controller/blade and the power management system of the server blade is compliant with ACPI specification].

24. As per claim 23, Bolian discloses that the embedded controller interface transmits the information using the Smart Management Bus (SMBus) protocol [Fig. 2 and 3; col. 1, lines 38-57; col. 3, lines 18-34, 55-57; col. 4, lines 37-51; as shown in fig. 2 and 3, a server blade 1 comprising of a service processor (CPU 212) and a server management controller/blade 250 communicate with each other via a dedicated management bus 242].

25. As per claim 24, Bolian discloses comprising a system catalog unit to describe characteristics of a computer system to the operating system [Fig. 2; col. 1, lines 38-57; col. 3, lines 18-34, 55-57; col. 4, lines 37-51; the power management system of the server blade is compliant with ACPI specification and ACPI comprises a system catalog unit].

Claim Rejections - 35 USC § 103

26. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

27. Claims 5, 7-8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bolian et al (US Patent 6,968,466; hereinafter Bolian) in view of Larson et al (US Patent 7,082,488; hereinafter Larson).

28. As per claim 5, Bolian discloses the invention substantially. Bolian does not disclose that the service processor is Intelligent Platform Management Interface (IPMI) based. But a routineer in the art would know about IPMI as it is well known. However, Larson clearly discloses the well-known knowledge of IPMI in a server blade system [col. 1, lines 24-36; col. 5, lines 50-56; col. 21, lines 46-49]. Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the cited references as both are directed to improve the communication between a management processor and field replaceable units (FRUs) where FRUs can be a variety of components including a server blade [Fig. 1; col. 1, lines 24-36]. Moreover, the discloser of Bolian would be benefited with use of IPMI because a utilized cache in the communication can be sized as multiples of a packet size of 32 bytes (e.g., 64 bytes, 96 bytes, etc.).

29. As per claim 7, Bolian discloses the invention substantially. Bolian does not disclose about packaging the information using an Intelligent Platform Management Interface (IPMI) protocol. But a routineer in the art would know about IPMI as it is well known. However, Larson clearly discloses the well-known knowledge of IPMI in a server blade system [col. 1, lines 24-36; col. 5, lines 50-56; col. 21, lines 46-49]. Therefore, it would have been obvious to

one of ordinary skill in the art at the time the invention was made to combine the cited references as both are directed to improve the communication between a management processor and field replaceable units (FRUs) where FRUs can be a variety of components including a server blade [Fig. 1; col. 1, lines 24-36]. Moreover, the discloser of Bolian would be benefited with use of IPMI because a utilized cache in the communication can be sized as multiples of a packet size of 32 bytes (e.g., 64 bytes, 96 bytes, etc.).

30. As per claim 8, Bolian discloses the invention substantially. Bolian does not disclose that the information is transmitted using an Intelligent platform Management Interface (IPMI) protocol. But a routineer in the art would know about IPMI as it is well known. However, Larson clearly discloses the well-known knowledge of IPMI in a server blade system [col. 1, lines 24-36; col. 5, lines 50-56; col. 21, lines 46-49]. Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the cited references as both are directed to improve the communication between a management processor and field replaceable units (FRUs) where FRUs can be a variety of components including a server blade [Fig. 1; col. 1, lines 24-36]. Moreover, the discloser of Bolian would be benefited with use of IPMI because a utilized cache in the communication can be sized as multiples of a packet size of 32 bytes (e.g., 64 bytes, 96 bytes, etc.).

31. Claim 9 is rejected under 35 U.S.C. 103(a) as being unpatentable over Bolian et al (US Patent 6,968,466; hereinafter Bolian) in view McGraw et al (US 2002/0188718; hereinafter McGraw).

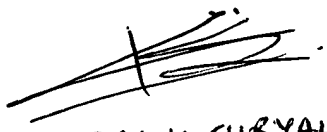
32. As per claim 9, Bolian discloses the invention substantially. Bolian does not disclose that the information is transmitted from the service processor to the chassis management module via a RS485 bus. But a routineer in the art would know about a RS485 bus as it is well known. However, McGraw clearly discloses the well-known knowledge of using a RS485 bus as an inter-chassis bus [paragraph 0134]. Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the cited references as both are directed to improve the communication within a bladed system. Moreover, the discloser of Bolian would clearly be benefited with the knowledge of RS485 bus as it is a simple way of communications over wires. It allows multiple devices to share a line.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Suresh K. Suryawanshi whose telephone number is 571-272-3668. The examiner can normally be reached on 9:00am - 5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas C. Lee can be reached on 571-272-3667. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



SURESH K SURYAWANSHI